Veilux User Manual for VPIP-D118-/O, D126X-I/O, D127X-I/O, D133X-I/O, D136X-I/O, D136X With WDR-I/O, D137X-I/O

I= Indoor D= Outdoor

Veilux Outdoor / Indoor Speed Dome IP Camera (PTZ)

VPIP-D1XXX-O

VPIP-D1XXX-I

Features:

Dual codec (H.264 & MJPEG)
Multi-profile video streaming
Digital PTZ
Analog CVBS
Bidirectional Audio Communication
IP + (Hybrid)

Certification

Veilux provides the best products with the certification below.

Revision History

Date	Rev No.	Description
2010-11	1.0	Creation of the document

Warning & Cautions

If you fail to read this information and handle the product incorrectly, faulty or malfunction as well as death or serious injury may occur.

This Unit should be installed by trained personnel.

Immediately stop using when the product emits smoke or abnormal heat.

Never install the product in area exposed to oil or gas.

Never install the product on a ceiling that cannot hold its weight.

Never touch the power cord with wet hands.

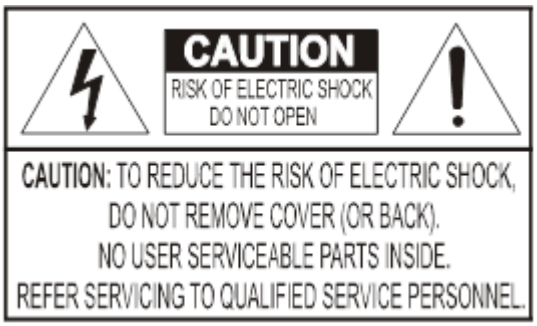
Clean only with dry cloth.

Never use the product in extremely high or low temperature condition.

Never drop, hit, strongly nor vibrate the product.

Never expose the product to direct sunlight or severe ray.

Never touch the front glass of the product.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

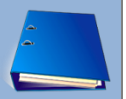
This symbol is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that can cause electric shock..

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

. Heater Operational Temp :
- On at +10℃ (±5℃), Off at +15℃(±5℃)

. Fan Operational Temp :
- On at +45℃ (±5℃), Off at +35℃ (±5℃)

Indications:

	Warning: Death or Serious Injury will occur without following Warning.
	Caution : Operational Problem(Faulty & Malfunction) will occur without complying with Caution
	**Reference** : Technical Information for Users

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1. Introduction

1.1. Overview of Veilux VPIP-D1XXX-O / VPIP-D1XXX-I

Veilux VPIP-D1XXX-O / VPIP-D1XXX-I, as a state-of-the-art 1Channel Speed Dome Network Camera based on integrated Embedded Software technologies such as H.264 & MJPEG, G.726 & PCM Video & Audio Compression, Embedded Web Server, Embedded Streaming Server, various Network Protocols, transmits synchronized video and audio data in real time through IP Network as well as supports bi-directional audio communication by allowing transmission of audio from Client PC Veilux VPIP-D1XXX-O / VPIP-D1XXX-I.

Veilux VPIP-D1XXX-O / VPIP-D1XXX-I with completed Integration with analog CCTV camera, Digital and network technology, is applicable for various sectors such as Security, Remote Monitoring, Remote Education, Simple Video Conference as well as Internet Broadcasting System etc.

1.2. Specification

1.2.1. Basic Specification of Veilux VPIP-D1XXX-O / VPIP-D1XXX-I

Class		Description	
Video	Compression	H.264 / MJPEG	
	Resolution	**Refer to the datasheet	
Audio (Bi-directional)	Up Stream	32 Kbps G.726	
	Down Stream	64 Kbps PCM	
Network	Interface	RJ-45, 10/100 Mbps	
	Access Network	Static, DHCP, PPP/PPPoE	
	Protocol	IPv4/6, TCP, UDP, IGMP, ICMP, ICMPv6 etc.	
I/O	Sensor	4	NC, NO Selectable
	Relay Output	2	Alarm or Remote ON/OFF Control (30V, 1A)
	RS-232C	Factory Default	
	Mic/Line In	Selectable on Admin Page	
	Line Out	1 V p-p Audio Output for Amp embedded Speaker	
	CVBS Output	Supported	
Power	PoE		
	AC In	24VAC Adaptor (higher than 1.5 Amp)	
Housing	Water-Proof	IP66	
	Heater	Refer to Installation Configuration	
Installation Type	Bracket	Wall, Ceiling, Ceiling Embedded Type	
Motion Detection	3 Regions	Optional Shape & Sensitivity for 3 Regions	
Upgrade		Remote F/W Upgrade via IP Network	
Management & Configuration		Remote Management & Configuration using IP Network and Admin Tool Page	
Client/Viewer	Web Viewer	Simple Access via Internet explorer	
	NVR-Pro	CMS Software	
	3rd Party CMS	Contact to Veilux	
Dynamic IP	DDNS support	Supported by Veilux Management Server	
Security Management		User ID & Password Protection, IP Filtering, Audio per user and Bi-directional audio communication configuration control	
Time Configuration Management	Sync to PC	Sync to PC Time	
	Manual	Manual Configuration	
	Internet Time Server	Sync to Time Server	

	DLS	Time Configuration

1.2.2. Detailed Specification of Camera Module & PTZ of Veilux VPIP-D1XXX-O / VPIP-D1XXX-I

Class			18X Optical	26X Optical	27X Optical	33X Optical	36X Optical (WDR)	37X Optical
PAN / TILT	PAN Rotation Angle		360˚					
	PAN Rotation Speed	Manual	0.5˚ ~ 200˚/sec (64step)					
		Preset	Max. 300˚ /sec , Min. 10˚ /sec					
	TILT Rotation Angle		-2˚ ~ 90˚					
	TILT Speed	Manual	0.5˚ ~ 45˚/sec (64step)					
		Preset	Max. 250˚ /sec , Min. 200˚ /sec					
	System Accuracy		0.024˚					
Functions	Preset		165 Presets identifiable with 16 character label for each preset.					
	Group Tour		Max. 8 Programmable Group Tours (Max. 60 different Presets Steps for each Group Tour)					
	Auto Rotation		Programmable Auto Scan					
	Pattern		Max. 8 Programmable Patterns(50sec/Pattern, Total 480sec)					
	Sector		16 character label identifiable 8 Programmable Sectors					
	Password Protection		Yes					
	Privacy Zone		24	24	8	8	24	8
	Alarm Input		Max. 4 Alarm Input (Programmable)					
	Alarm Actions		Preset, Group Scan or Activate Output on Alarm Input					
	AUX Output		2 Relay Output					
	Auto Flip		ON / OFF					
	OSD Menu		Yes					
	Serial Communication		RS-485					
	Protocol		Pelco-D, Pelco-P Embedded					
Mis.	Motor		Stepping Motor					
	Micro Step		1/8 Micro Step					
Camera Module	Image Sensor		1/4" Sony Exview HAD CCD	1/4"Sony Exview HAD CCD	1/4"Sony super HAD CCD	1/4"Sony super HAD CCD	1/4"Sony Exview HAD CCD	1/4"Sony super HAD CCD
	No. of	NTSC	811(H) * 508(V) 410K					

	Pixels	PAL	795(H) * 596(V) 470K					
	No. of Effective Pixels	NTSC	768(H) * 494(V) 380K					
		PAL	752(H) * 582(V) 440K					
	Horizontal Resolution	NTSC	470TV line	470TV line	550TV line(Color) 680TV line(B/W)	550TV line(Color) 680TV line(B/W)	530TV line(Color)	550TV line(Color) 680TV line(B/W)
		PAL	460TV line	460TV line			530TV line(Color)	
	ZOOM	Optical	18x Optical Zoom (F=1.4~3.0, f=4.1~73.8mm)	26x Optical Zoom (F=1.6~3.8, f=3.5~91.0mm)	27x Optical Zoom (F=1.6~2.9, f=3.5~94.5mm)	33x Optical Zoom (F=1.6~3.6, f=3.5~115.5m m)	36x Optical Zoom (F=1.6~4.5, f=3.4~122.4m m)	37x Optical Zoom (F=1.6~3.9, f=3.5~129.5mm)
		Digital	12x (total 216x)	12x (total 312x)	12x (total 324x)	12x (total 396x)	12x (total 432x)	12x (총 444x)
	Day/Night(ICR)		Auto/ Day/ Night					
	Digital Slow Shutter		ON/ OFF					
	Min. Illumination	Normal (50IRE)	0.05Lux	0.14Lux	0.4Lux	0.4Lux	0.1Lux	0.7Lux
		B/W (ICR ON)	0.01Lux	0.05Lux	0.02Lux	0.02Lux	0.01Lux	0.061Lux
		Sense-up : 256x	N/A	N/A	0.00007Lux	0.00007Lux	N/A	0.00007Lux
	Luminance S/N Ratio		Higher than 50dB					
	Video Output		Video Output 75Ω					
	BLC		ON / OFF					
	Flicker less		ON / OFF					

1.2.3. Basic Specification of Veilux VPIP-D1XXX-O / VPIP-D1XXX-I

Class		Description	
Video	Compression	H.264 / MJPEG	
	Resolution	1280x720, 800x608, 704x480, 640x480, 704x240, 352x240,176x112	
Audio	Up Stream	32 Kbps G.726	
	Down Stream	64 Kbps PCM	
Network	Interface	RJ-45, 10/100 Mbps	
	Access Network	Static, DHCP, PPP/PPPoE	
	Protocol	IPv4/6, TCP, UDP, IGMP, ICMP, ICMPv6 etc.	
I/O	Sensor(Alarm)	4	NC, NO Selectable
	Relay Output(Aux)	2	Alarm or Remote ON/OFF Control (30V, 1A)
	Mic/Line In	Selectable on Admin Page	
	Line Out	1 V p-p Audio Output for Amp embedded Speaker	
	CVBS Output	Supported	
Power	PoE	Not Supported	
	AC In	24V AC Adaptor (higher than 1.5 Amp)	
Housing	Water-Proof	IP66	
	Fan & heater	Supported	
Installation Type	Bracket	Wall, Ceiling, Embedded(Flush)	
Motion Detection	3 Regions	Optional Shape & Sensitivity for 3 Regions	
Upgrade		Remote F/W Upgrade via IP Network	
Management & Configuration		Remote Management & Configuration using IP Network and Admin Tool Page	
Client/Viewer	Web Viewer	Simple Access via Internet explorer	
	NVR-Pro	CMS Software	
	3rd Party CMS	Contact to iCanTek	
Dynamic IP	DDNS support	Supported by iCanTek's Management Server	
Security Management		User ID & Password Protection, IP Filtering, Audio per user and Bi-directional audio communication configuration control	
Time Configuration	Sync to PC	Sync to PC Time	
	Manual	Manual Configuration	

Management	Internet Time Server	Sync to Time Server
	DLS	Summer Time Configuration

1.2.4. Detailed Specification of Camera Module of Veilux VPIP-D1XXX-O / VPIP-D1XXX-I

Class		Description
CCD Image Sensor	Image Size	6mm Dia. (Type 1/3)
	Effective Pixels	1.3M (1296 x 966)
	Progressive Scan	YES
	Output Pixels / FPS	1280(H)x720(V) / 30fps
Lens	Optical Zoom	18X
	Practical f-value	4.7~84.6mm
	Practical H.angle	55.2°(w)~3.2°(t)
	F-value	F1.6(w)~F2.8(t)
Focus	Auto	VAF
	Manual (Far/Near)	Provided (soft)
	Focal Range (setting)	Infinity~1m(t)~0.01m(w) (soft)
IR Removable	Auto	Pro.AER+
	Manual (On/Off)	Provided (soft)
Durability	Zoom / Focus / Iris	500k cycles
	IR Removable	50k cycles
DSP Function	Digital Slow Shutter	YES
	Wide Dynamic Range	Off / On (soft)
	Image Freeze	Off / On (soft)
	Mirror	Off / On (soft)
	Vertical Invert	Off / On (soft)
	Image Reverse	Off / On (soft)
	Privacy Masking	8 zone
	Motion Detect	Off / On (soft)
	Frame Noise Reduction	Off / On (soft)
	Preset	Max. 135
	Dynamic Spot Cancel	YES
Electrical Shutter	Shutter Speed	Auto (1/30s~1/4000s)
	Sensitivity	Max. 1/4s (soft)
Iris	BLC	Off / On (soft)
White Balance		Off / On (soft)

Resolution Horizontal		600 TVL (1280 x 720 pixels)
Min. Sensitivity (F1.6, 50IRE)	IR-cut On (1/30s)	1.8 Lux
	IR-cut Off (1/4s)	0.02 Lux

1.3. Application of Veilux VPIP-D1XXX-O / VPIP-D1XXX-I

- Security Surveillance (Building, Stores, Manufacturing Device, Parking Lot, Bank, Public Office & Military etc.)
- Remote Monitoring (Hospital, Kindergarten, Traffic Status, Public Area)
- Video Conference, Remote Lecture, Internet Broadcasting
- Climate & Environment Surveillance

2. Production Description

2.1. Package Contents

Open the package and check if the followings are included;

2.1.1. Veilux VPIP

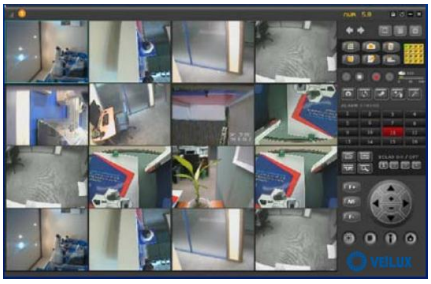
Contents	Description	Remark
Bracket & Housing	Outdoor Housing, Wall Mount Bracket	
Accessories	Screw (M4x15 4EA), Safety Cable	
Manual	Housing Installation Manual	
IP Camera	Veilux VPIP-D Body	
Tools & Accessories	Wrench, Safety Cable, Cable Tie, Terminal Block (2Pin, 3Pin , 5Pin ,6Pin : 1EA), Screw(Ø 3x6 2EA, Ø4x16 5EA)	
CD	Software & Product User Manual	
Quick Reference	Quick Installation Guide	

2.1.2. Veilux VPIPI

Content	Description	Remark
IP Camera	Veilux VPIPI-D Body	
Tools & Accessories	Wrench, Safety Cable, Cable Tie, Terminal Block (2Pin, 3Pin , 5Pin ,6Pin : 1EA), Screw(Ø 3x6 2EA, Ø4x16 5EA)	
CD	Software & Product User Manual	
Quick Reference	Quick Installation Guide	

*** 24V AC Adaptor, as optional item, can be purchased separately.**

2.2. Preview

Veilux VPIP-D1XXX-O / VPIP-D1XXX-I	IP-Installer	CMS Software (NVXR-64)
		
Speed Dome Network Camera	IP Assignment Program	PC based Client for monitoring/storing Video/Audio transmitted form Product (Max. 16CH supported)

2.3. Physical Description

2.3.1. External View

Fig 2-1. External View of Veilux VPIP-D1XXX-O / VPIP-D1XXX-I

2.3.2. Bottom View & Connection Diagram

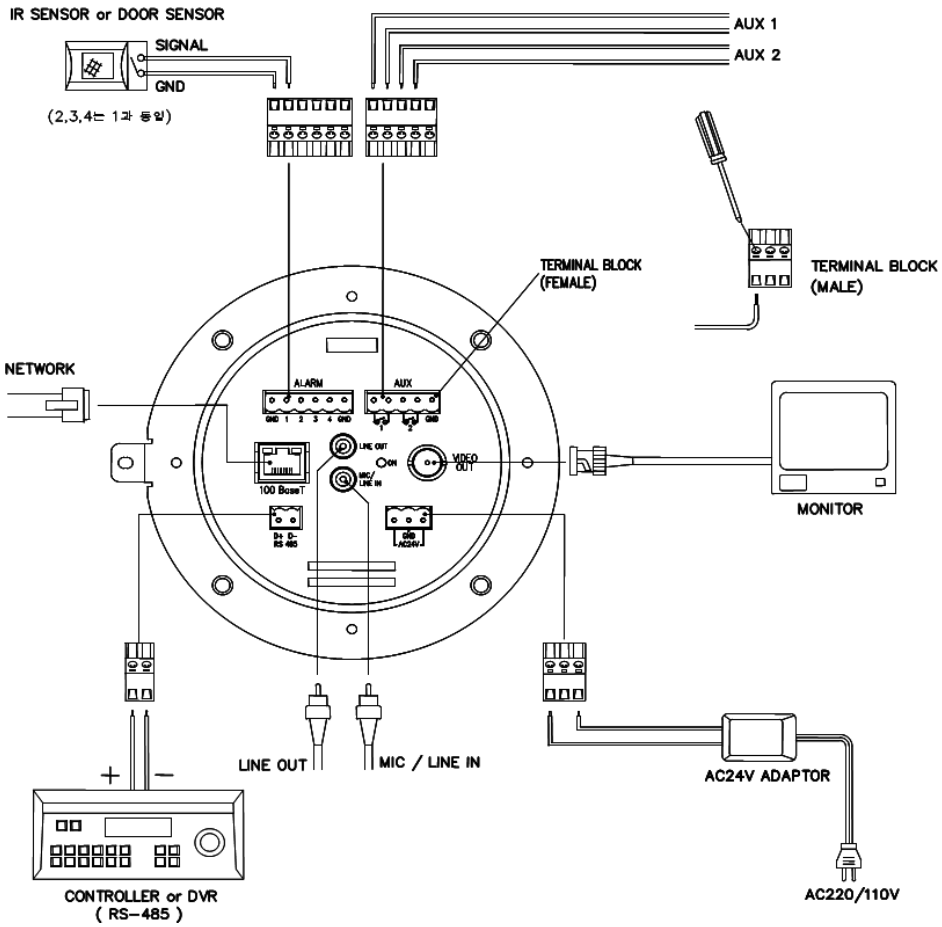


Fig 2-2. Terminal Block, LAN & AC Power Connector

2.3.3. External & Internal View

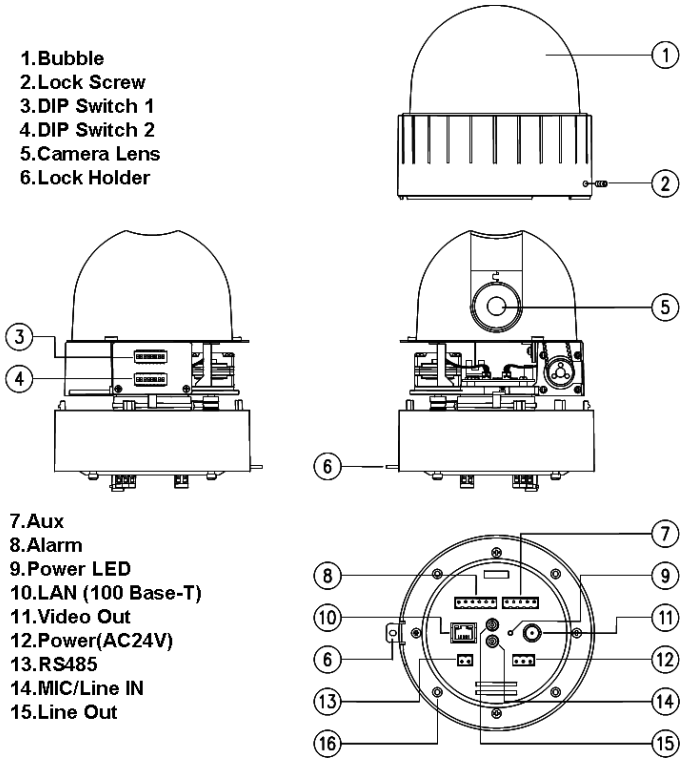


Fig 2-3. Connector Part

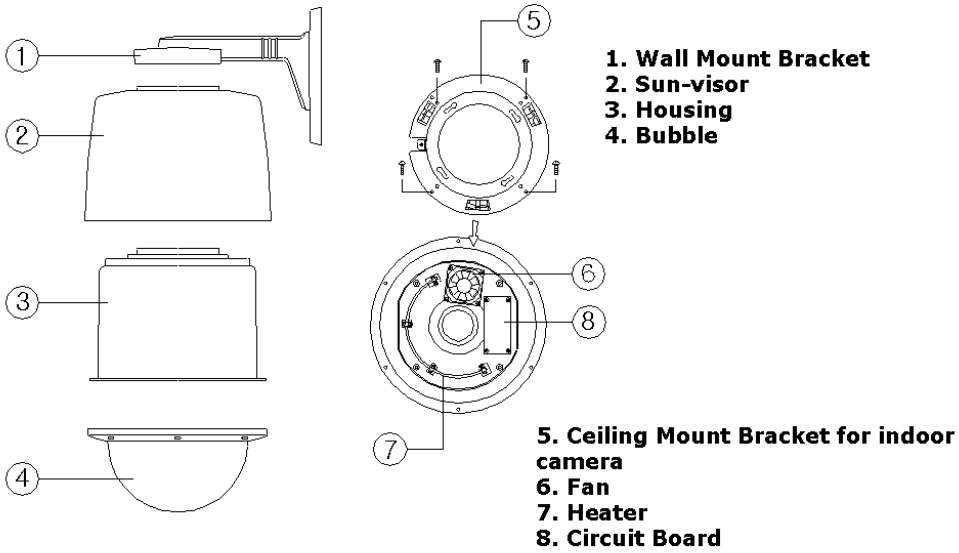


Fig 2-4. Outdoor Housing

2.4. Functional Description

• **AC Power**

Connect 24 Volt AC adaptors to this terminal for supplying power to the network camera.

AC adapter which is compliant to the specification for Veilux VPIP-D1XXX-O / VPIP-D1XXX-I should be used. Misuse of power supply can cause damage to Veilux VPIP-D1XXX-O / VPIP-D1XXX-I. Veilux assumes no responsibility for misuse of the power supply.

• **MIC/LINE IN**

Connect external audio source or microphone.

• **Line Out**

Connect speakers with built in amplifier. Audio from remote site is output through Line out in bi-directional audio mode.

• **100Base-T**

100Mbps Ethernet connector (RJ-45). 2 LEDs on the Ethernet connector shows the status of Veilux VPIP-D1XXX-O / VPIP-D1XXX-I as the followings:

- **Status LED (Dual Color - Red/Green)**: It will be lit in green or red depending on the status.

① Green: Green color indicates that the camera is in normal operation mode. Continuous green Indicates that data transmission is possible. Blinking green means that someone is Connected to Veilux VPIP-D1XXX-O / VPIP-D1XXX-I.

② Red: Continuous or blinking red indicates that hardware is in abnormal condition.

Red/Green LED will be lit with red momentarily and it will be lit with green after a while when power is applied into Veilux VPIP-D1XXX-O / VPIP-D1XXX-I.

LINK/LAN LED (Orange) : It will be lit with orange color when network cabling is all right. Blinking orange color indicates that normal data transmission is under way. Off state indicates that there is trouble in network connection.

• Alarm In/Out (ALARM/AUX)

Used for connecting alarm sensor, alarm annunciation device to Veilux VPIP-D1XXX-O / VPIP-D1XXX-I.

Class	Description
Alarm IN	Sensor In (+). NC/NO Selectable in Admin Mode
Alarm IN GND	Ground for Sensor In
Aux OUT	Alarm Output Terminal
Aux OUT(GND)	Ground for Sensor Output

• Aux

Relay output is provided for connecting alarm devices or for remote on/off control of devices such as light. Relay is normal open and it will be closed upon alarm annunciation or remote on. The relay is capable of switching 30V AC/DC, 2A. For the application which needs power switching beyond this limit, use additional relay switch as shown as below figure.

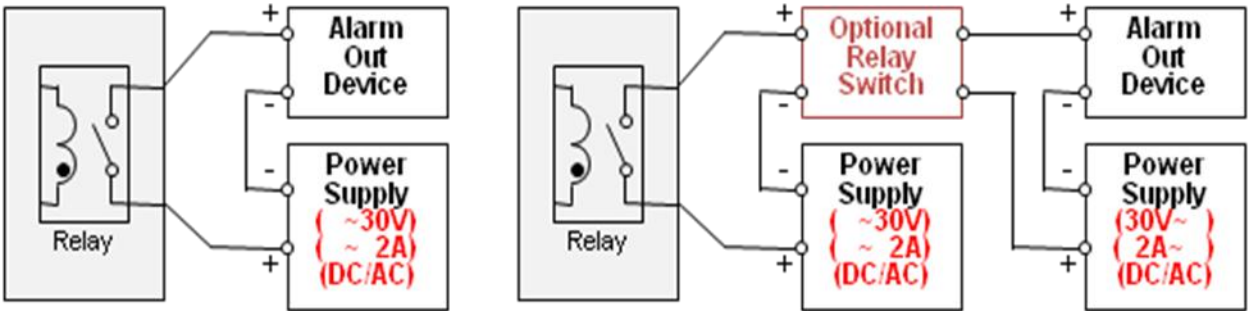


Fig 2-5. Relay Connection Diagram(Left : lower than 30V, 2A, Right : Higher than 30V 2A)

• Alarm

Connect external alarm sensor. Examples of sensing devices are infrared sensor, motion sensor, heat/smoke sensor, magnetic sensor, etc. Connect the two wires of the sensors to “SNS In”. The sensor type (NC/NO) can be set in admin page. 10mA can be flown into sensor device. Multiple sensor devices can be connected in parallel.

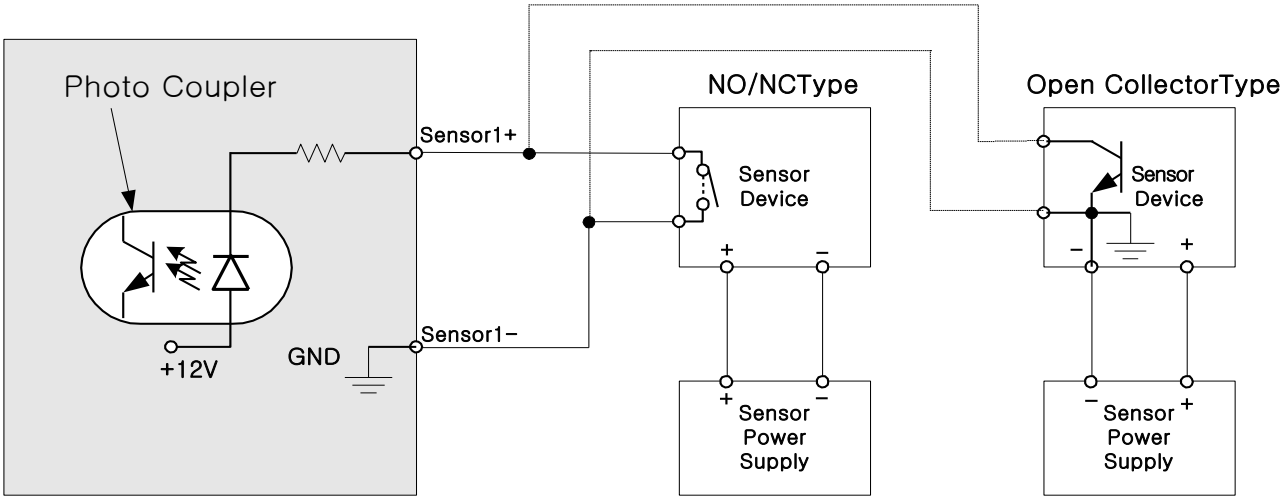
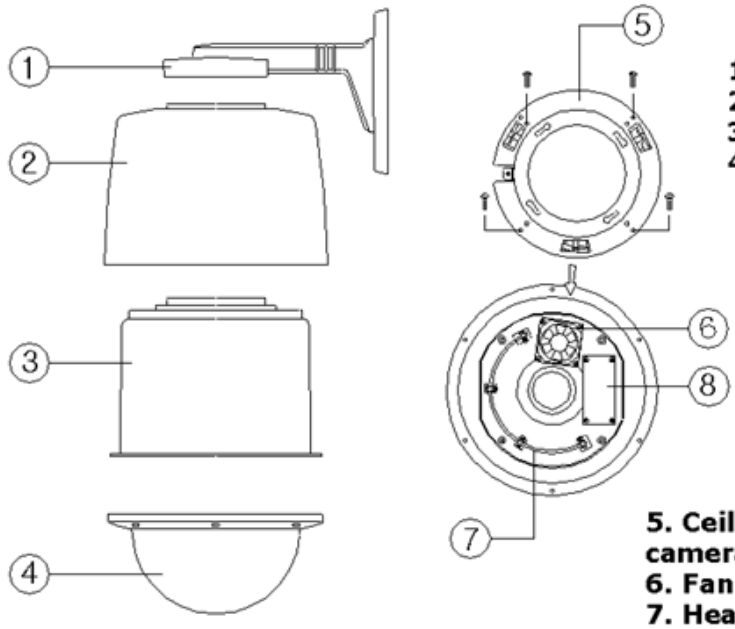


Fig 2-6. Sensor Input Connection Diagram

3. Bracket Installation

3.1. Veilux VPIP(MP)

3.1.1. Basic Components & Mounting Accessories

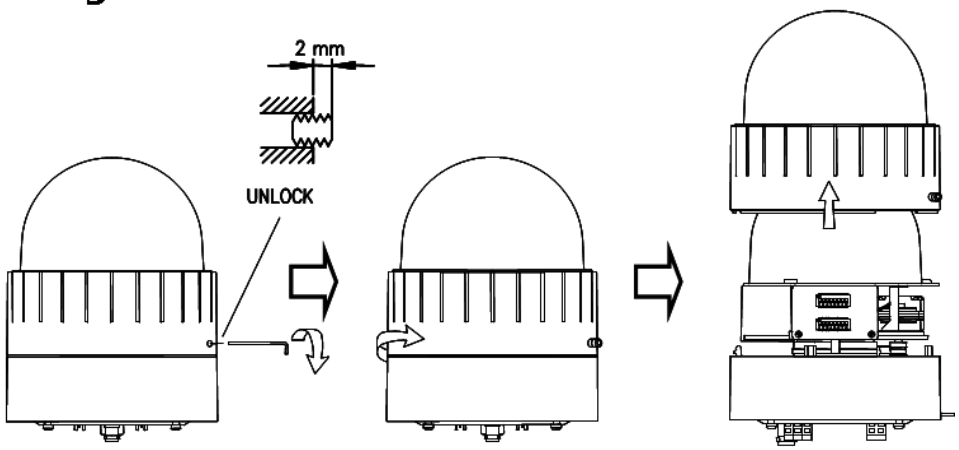


1. Wall Mount Bracket
2. Sun-visor
3. Housing
4. Bubble
5. Ceiling Mount Bracket for indoor camera
6. Fan
7. Heater
8. Circuit Board

3.1.2. Preparation

1. Open the Dome Cover by unscrewing with wrench.

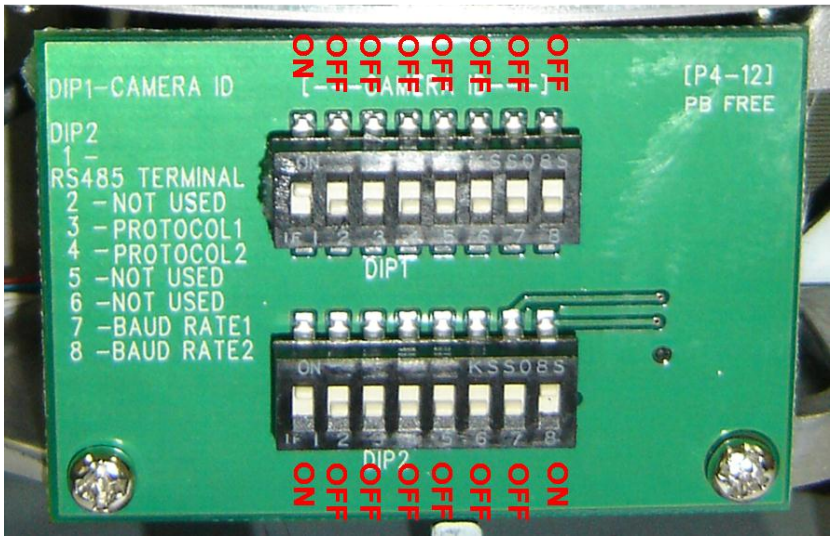
Opening Dome Cover



Unlock the screw **Rotate the cover to remove**

2. Configure the DIP Switch by referring Appendix.

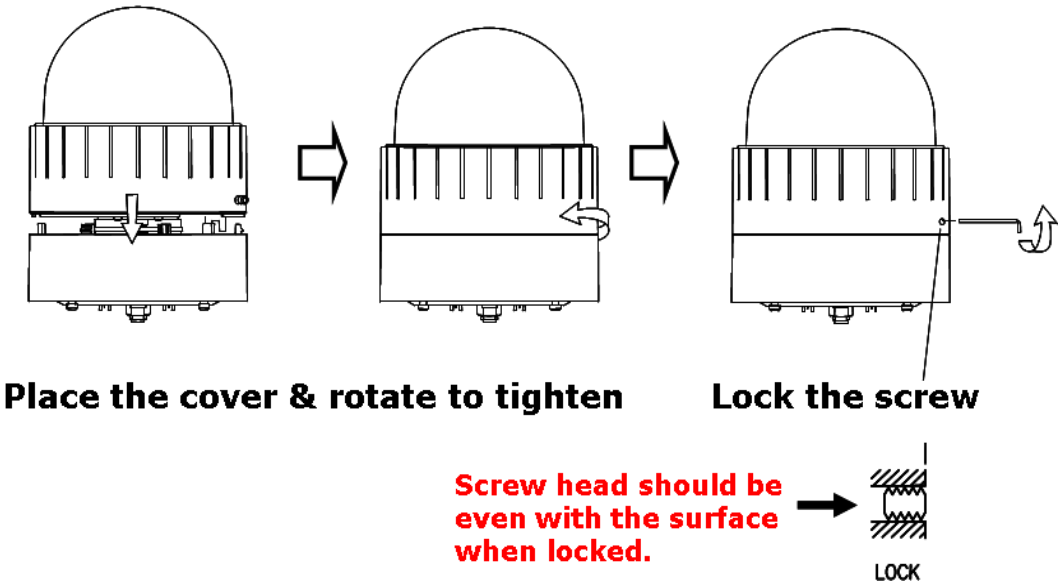
DIP Switches : Make sure to set the switch positions as illustrated below.



- When using system controller for the control of the dome, always set the RS-485 communication channel to be : 2400 bps, 8 bit, 1 stop bit, no parity.

3. Place the Dome Cover and screw.

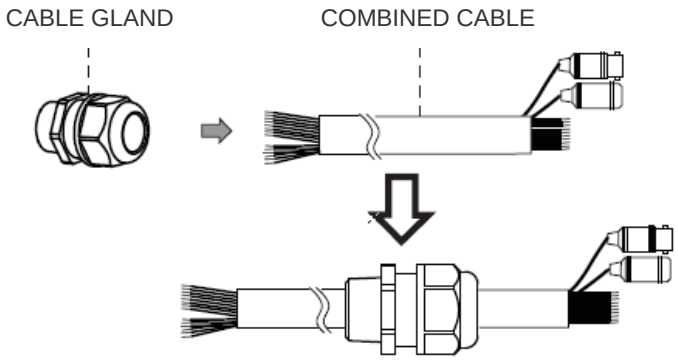
Placing Dome Cover

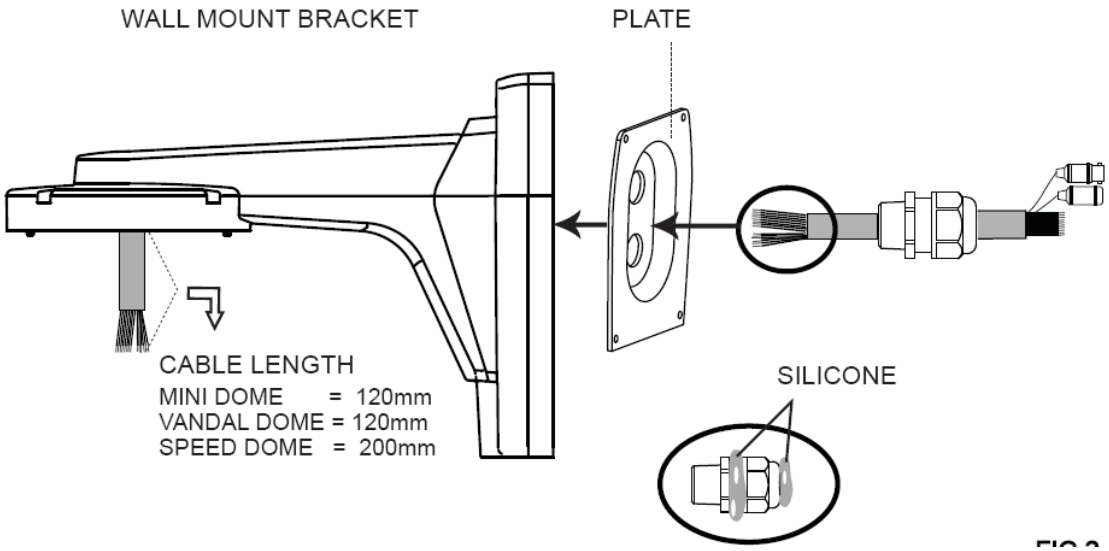


3.1.3. Installation using Walling Mount Type

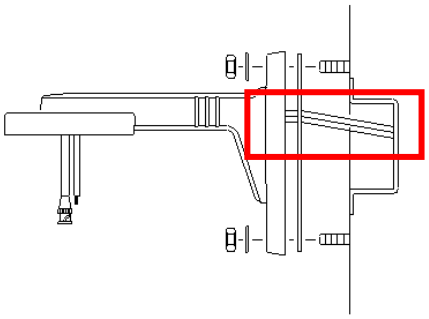
The wall should be strong enough to hold 4 times of the weight of the camera (5.3 KG). This means that the wall should withstand weight of 21.2 KGs in the minimum.

1. Pass the combined cable through the inside Cable Gland.

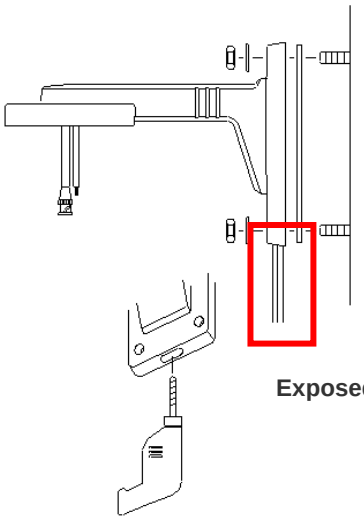




2. Fix the end of Cable Gland on the bottom case and coat the attached line between top & bottom of Cable Gland bottom case with silicone. For the installation at Bottom of Bracket, Gland Cable Installation is not required(refer to the below Fig).

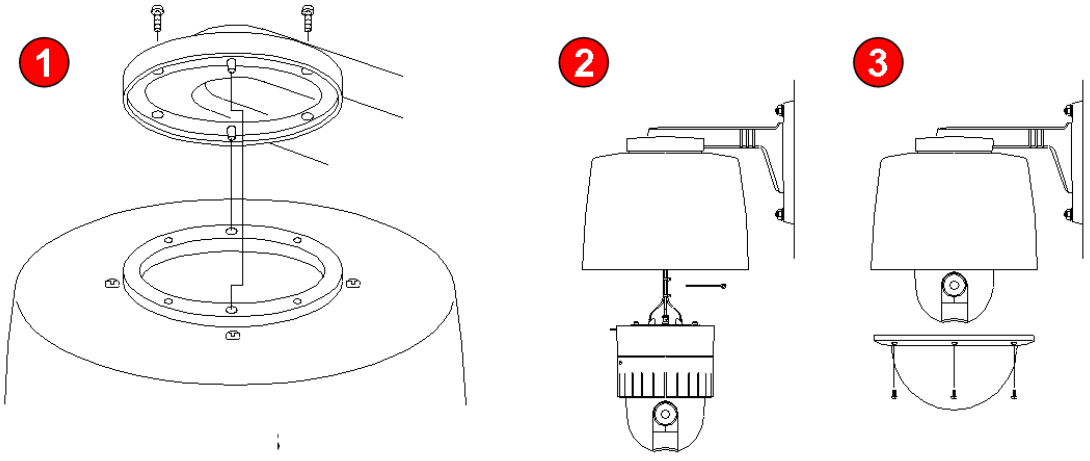


Hidden Cable



Exposed Cable

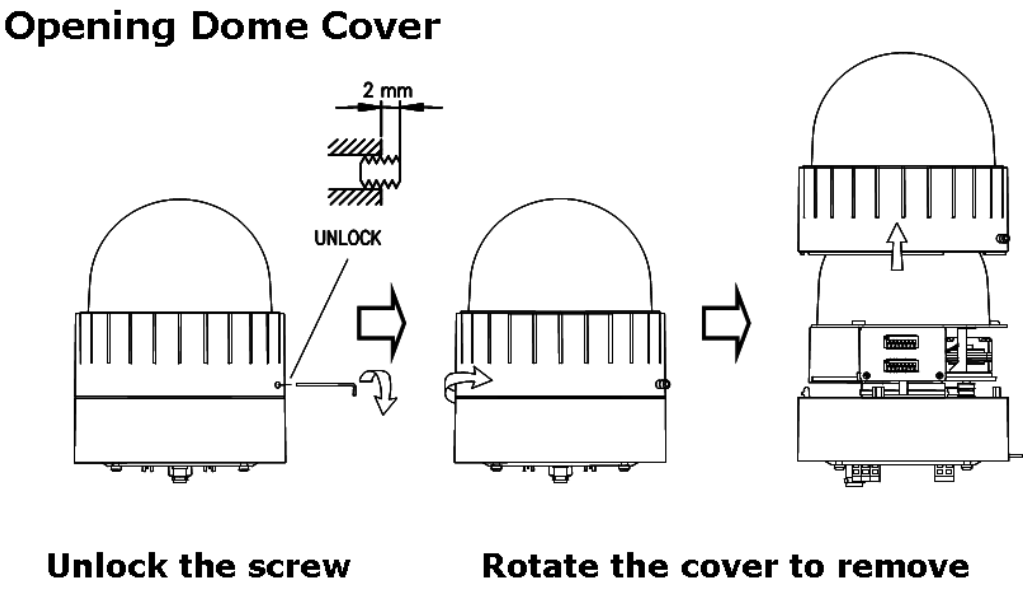
3. Connect Sun-Visor with Wall Mounting Bracket. (1)
4. After connecting Product and Cable, install the product by inserting Product into internal fixing hole of housing and turning in clockwise. (2)
5. Assemble the Bubble. (3)



3.2 Veilux VPIPI(MP)

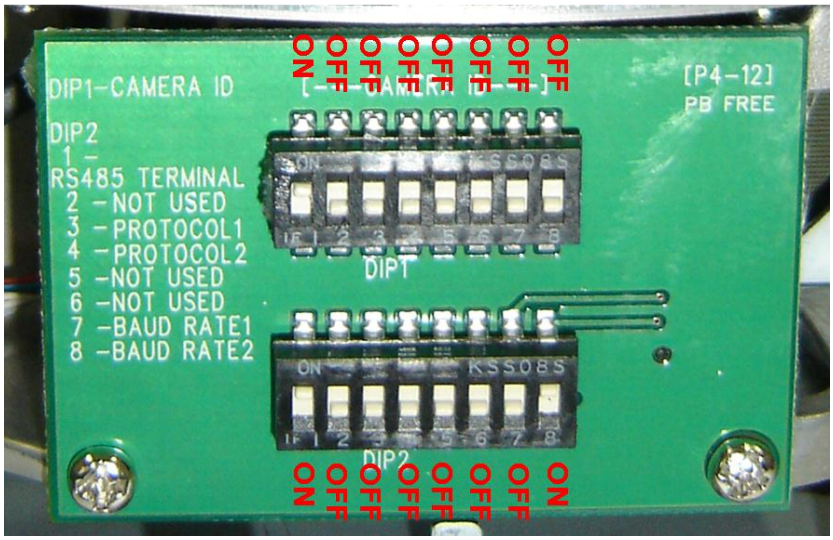
3.2.1. Preparation

1. Open the Dome Cover by unscrewing with wrench.



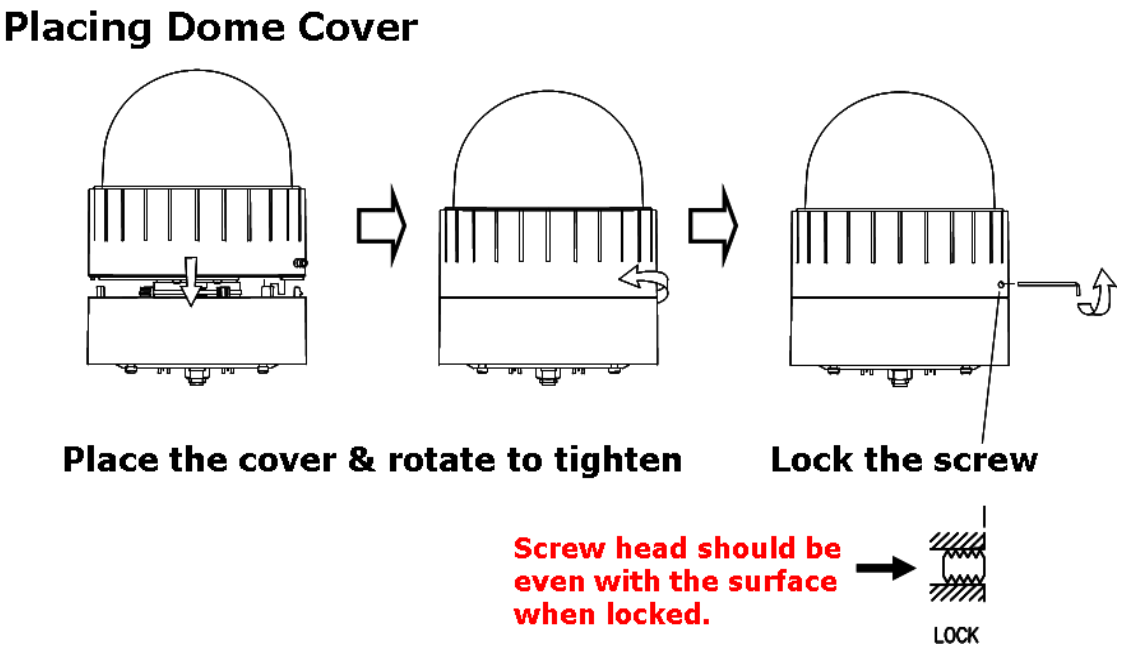
2. Configure the DIP Switch by referring Appendix.

DIP Switches : Make sure to set the switch positions as illustrated below.



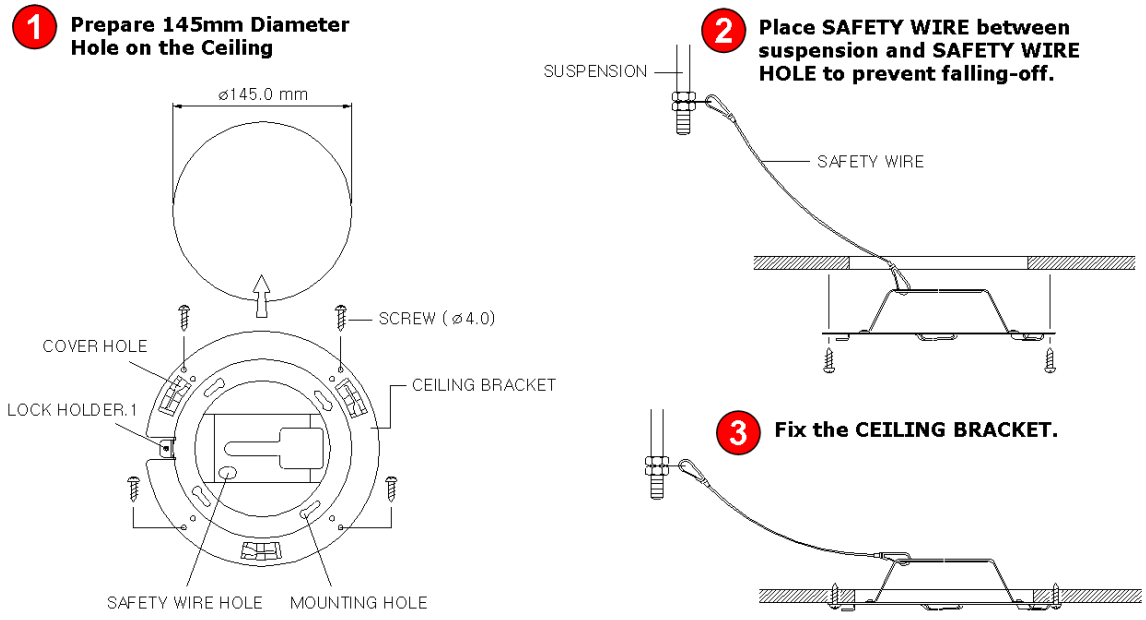
- When using system controller for the control of the dome, always set the RS-485 communication channel to be : 2400 bps, 8 bit, 1 stop bit, no parity.

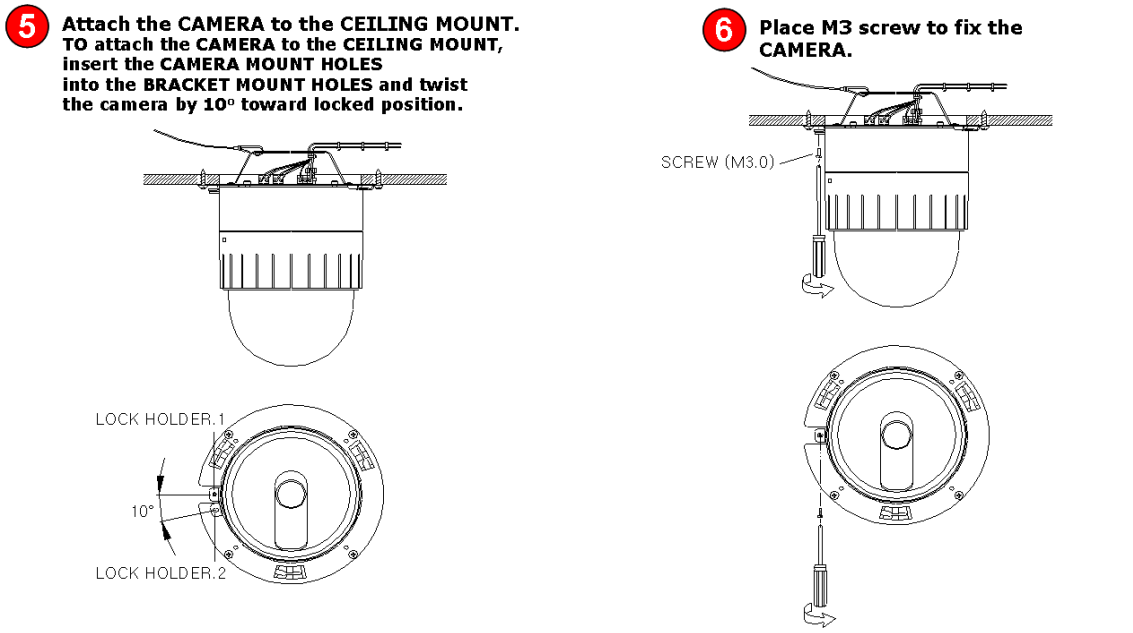
3. Place the Dome Cover and screw.


Placing Dome Cover
Place the cover & rotate to tighten
Lock the screw
Screw head should be even with the surface when locked.
LOCK

3.2.2. Installation using Ceiling Mount Type

Ceiling board should be strong enough to hold the weight of approx.. 2Kg.



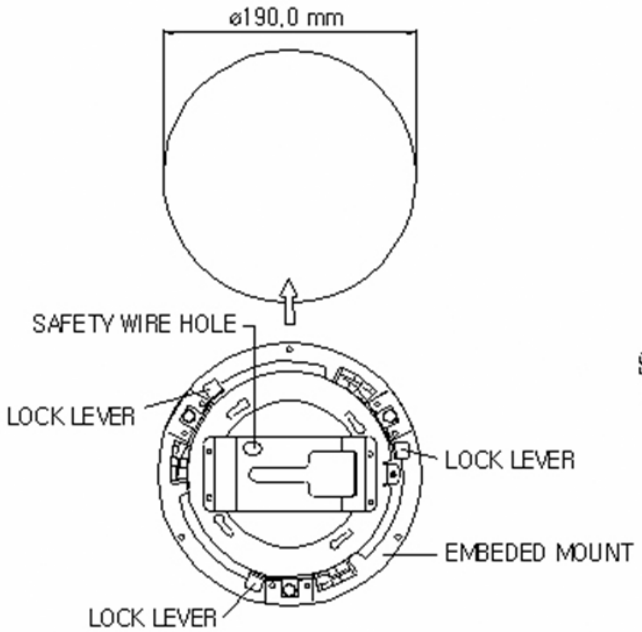


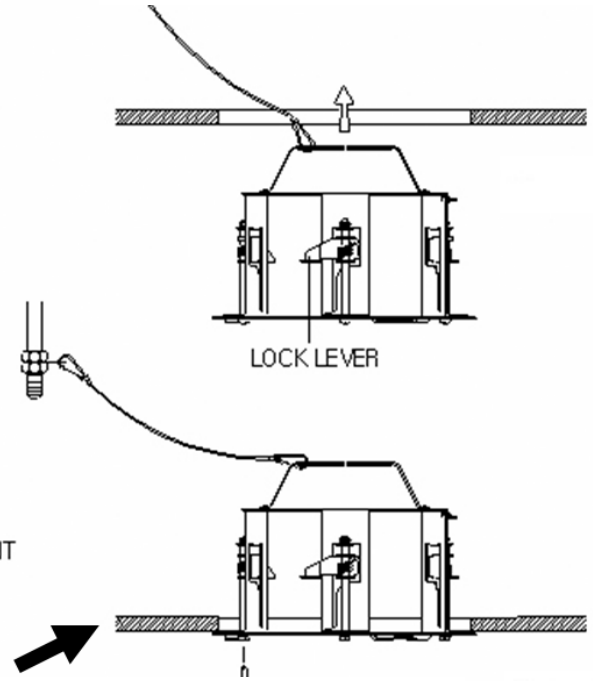
3.2.3. Installation using Embedded Mount Type

1. Prepare 190mm Diameter Hole on the ceiling.
2. Place Safety Wire between suspension and Safety Ire Hole to prevent falling-off.
3. Fold the Lock Lever and insert the bracket into the ceiling whole.
4. Fix the bracket to the ceiling with screws.

1 Prepare 190mm Diameter Hole on the Ceiling.

2 Place Safety Wire between suspensions and Safety Wire Hole to prevent falling-off.



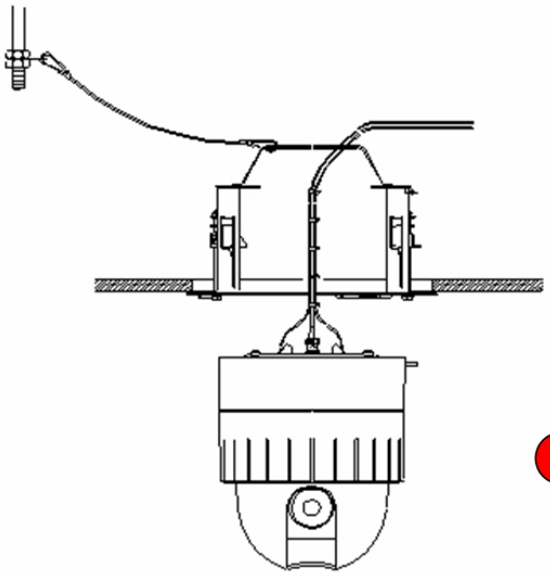


3 Fold the Lock Lever and insert the Bracket into the Ceiling Hole.

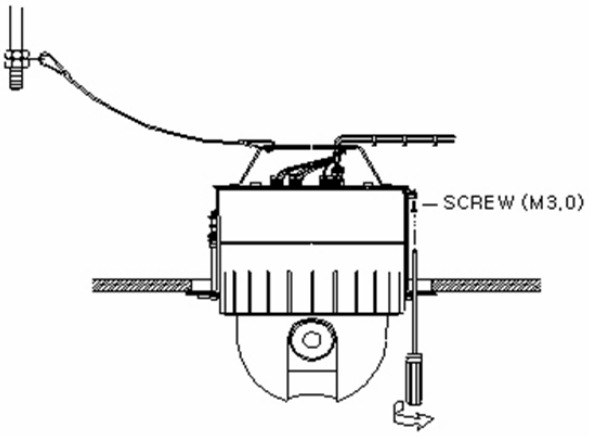
4 Fix the Bracket to the Ceiling with Screws.

5. Insert the Camera into the Mount.
6. Apply screw to fix the Camera.
7. Place the cover to finish the installation.

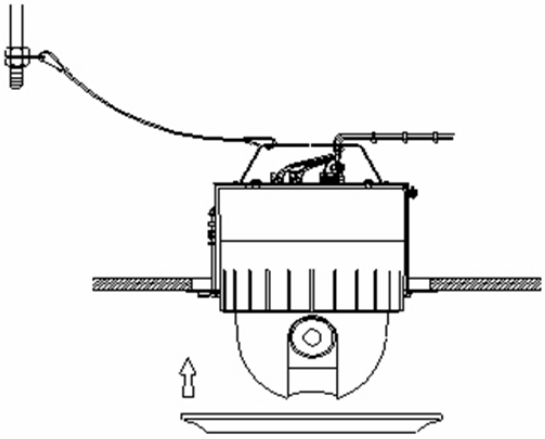
5 **Insert the CAMERA into the MOUNT.**



6 **APPLY screw to fix the CAMERA.**



7 **Place the COVER to finish the installation**



4. Installation

4.1. Required System Specification

Required Specification of PC for Camera Configuration & Control.

Class	Recommendation	Remark
CPU	**Pentium-4 3Ghz**	
RAM	**1GB**	
Graphic Card	**Higher than ATI Chip-Set based 64M**	**1600x1200(UXGA)**
LAN Card	**Higher than 100Mbps**	
OS	**Windows XP/ Vista/ 7 (32 Bit)**	
Web Browser	**Higher than Internet Explorer 6.0**	

* * Operating Systems supported: Windows 2000 Professional, Windows XP / Vista / 7 (32 Bit)

4.2. Quick Installation Guide

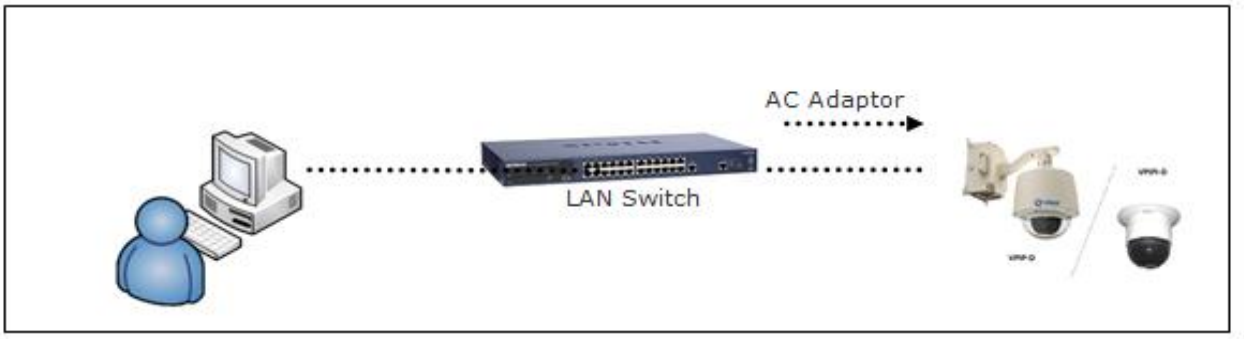


Fig 4-1. LAN Cable Connection Diagram

1. Connect PC and Veilux VPIP-D1XXX-O / VPIP-D1XXX-I to Network Device(HUB)

I. Prepare a PC which needs to be connected to Network.

II. Connect PC (or Lab-Top) with Product as Fig 4-1.

Power will be applied to product separately via Power Device (AC Adaptor).

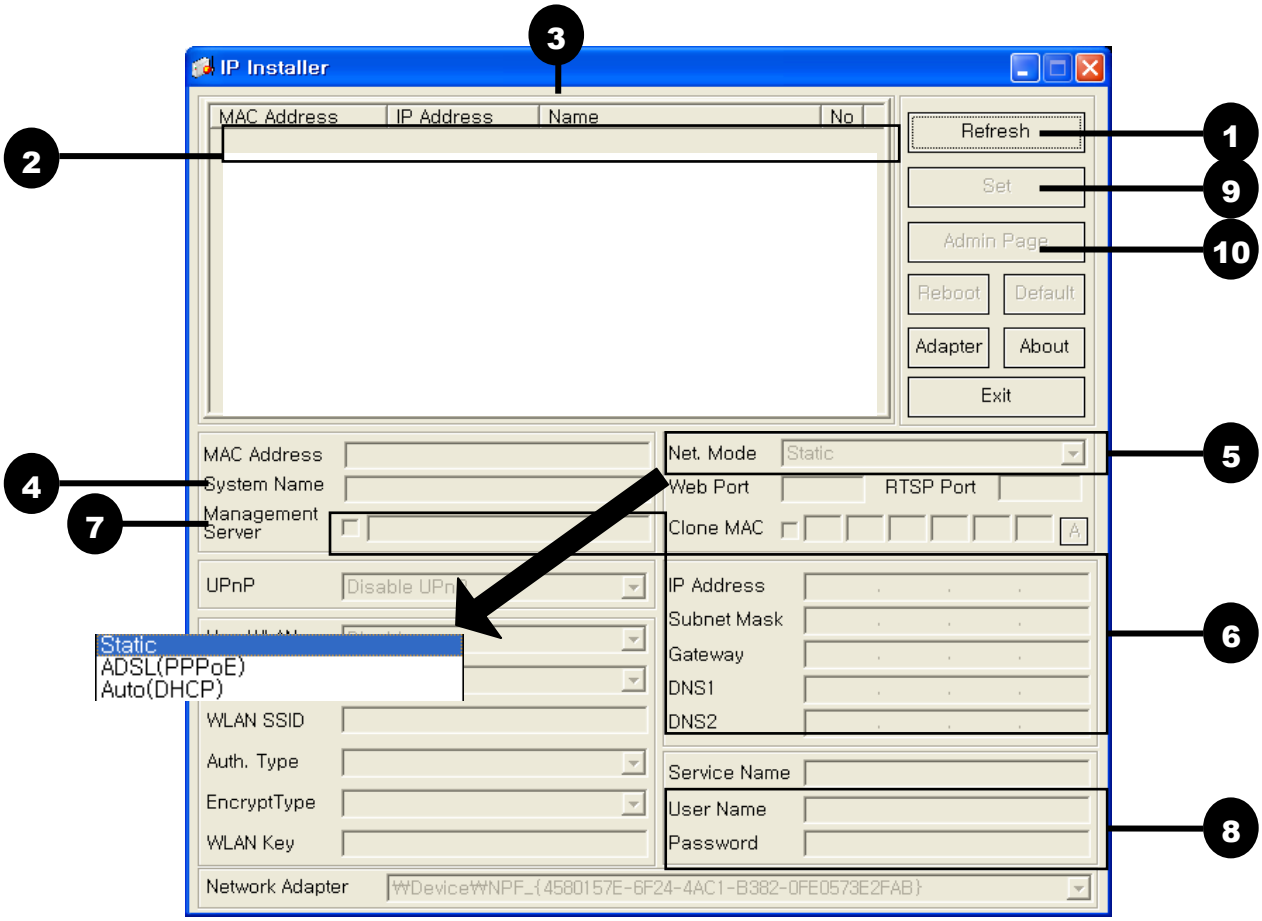
2. IP Camera Network Configuration using IP Installer

Run the CD and Install IP Installer included in CD. Once install IP Installer, “WinPcap” will be installed. If not install “WinPCap”, IP Installer won’t operate.

.

For the Network Configuration of product, IP Installer should be higher than **3.0.1** Version.
For the Window 7 User,”WinPCap” should be higher than 4.0 Version.

1. Run IP Installer > Select Network Adaptor > Click OK.
2. If Configuration Window open, Click ① > Double Click the relevant product at ② > Fill in ④ > Configure ⑤ > Fill in ⑥ or ⑧.
3. If Configuration is completed, Click Set Button ⑨ to apply Configuration.
4. Access to Camera Admin Page by clicking ⑩.



If you click each field of ③, you can use sort function. For the detail, refer to IP Installer Manual.

You can select the most appropriate LAN, ADSL, Static / Dynamic IP per Cable to user's circumstance via ⑤ menu. In case of selecting Dynamic (Automatic)IP, ⑥ menu will be deactivated, In case of ADSL, please insert User Name and Password provided from ISP in each field of ⑧.

For DDNS Service,

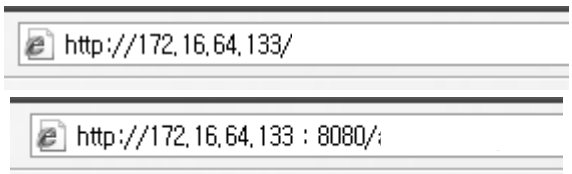
Insert mgmt.net-video.net in ⑦ > Please configure to be registered on DDNS by marking Check Box.

You can use after Member Registration on Management Site **http://www.net-video.net/**.

3. Remote Connection to IP Camera

I. Connection via Web Viewer

Web View is the simplest method to connect to product via internet explorer. Once you insert "**http://IP_address:HTTP_port_number**" into Internet Explorer, you can access to the relevant product.



For the use of Web Viewer, Active-X module should be installed.
If internet access is available, you can download it by accessing Camera or if you install NVR-Pro, Active-X module will be installed together.

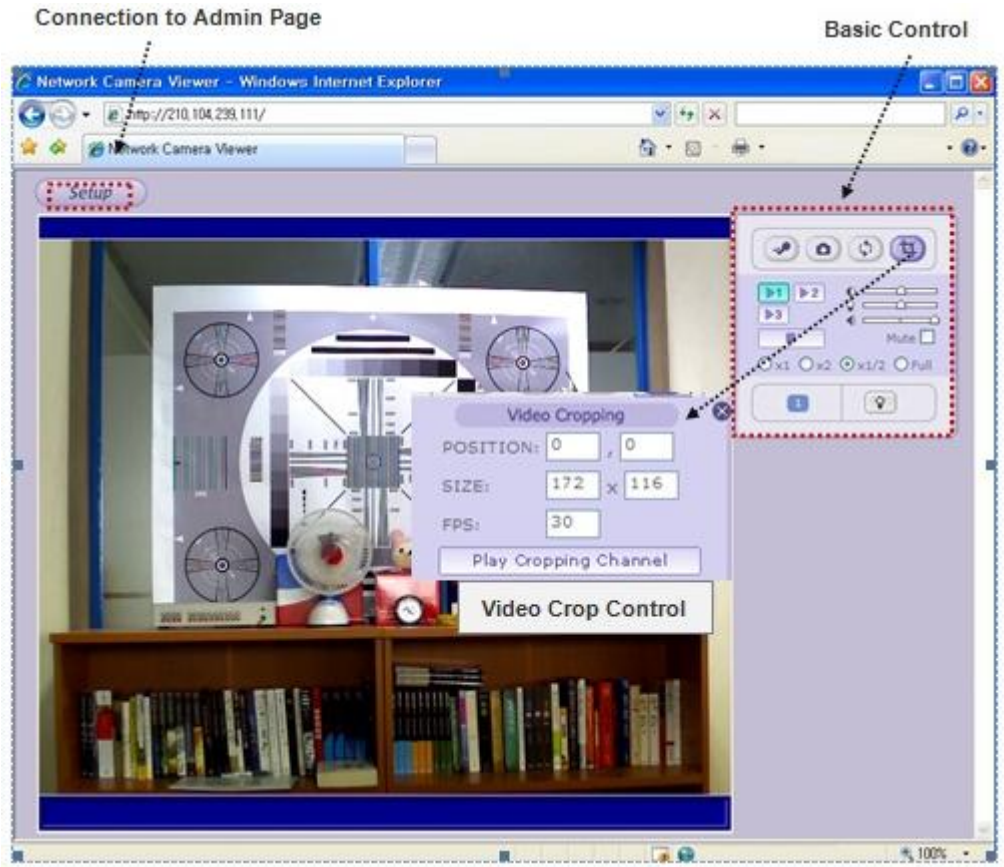


Fig 4-2. Web Viewer Connection

Basic ID / Password of Admin Tool : **root / admin**

Some units also may have User Name and Password is set as 'root' and 'dw2001'

II. Connection via NVXR-64

NVXR-64 is a CMS program to connect several IP Cameras and/or Video Servers. Once you run NVXR-64 after installing on the remotely located PC, you can monitor real-time Video/Audio on the PC by accessing to IP Camera via IP Address assigned to each IP Camera. For the access to Product by using NVXR-64, you have to configure all required information at NVXR-64.

For the detail, please refer to **[NVXR-64 User Manual].**

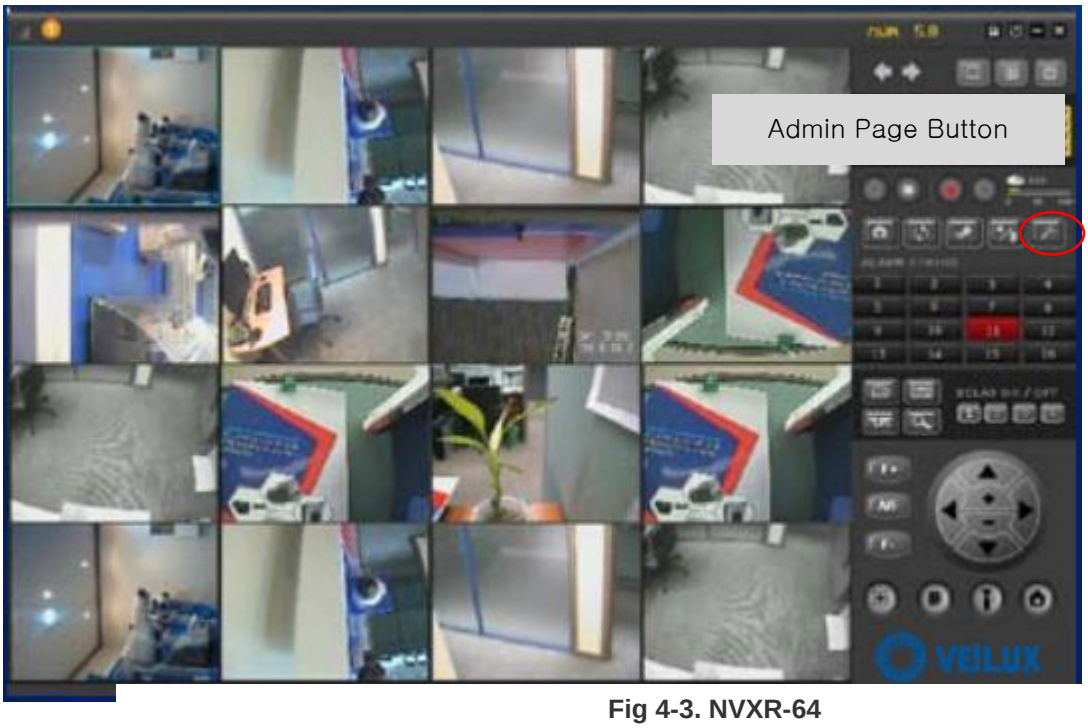


Fig 4-3. NVXR-64

4. Initial Configuration by connecting Admin Mode

All Parameters of Veilux VPIP-D1XXX-O / VPIP-D1XXX-I is initially set as factory default. So you must change them with appropriate value to your network configuration by accessing via Admin Tool. Admin Tool Access Method is as below.

Http://[IP Address]:[HTTP Port No.]/ admin.htm

Admin Tool Access ID / Password: **root / admin**. As it is Default Value, please change them. For the detailed

Some units also may have User Name and Password is set as 'root' and 'dw2001'

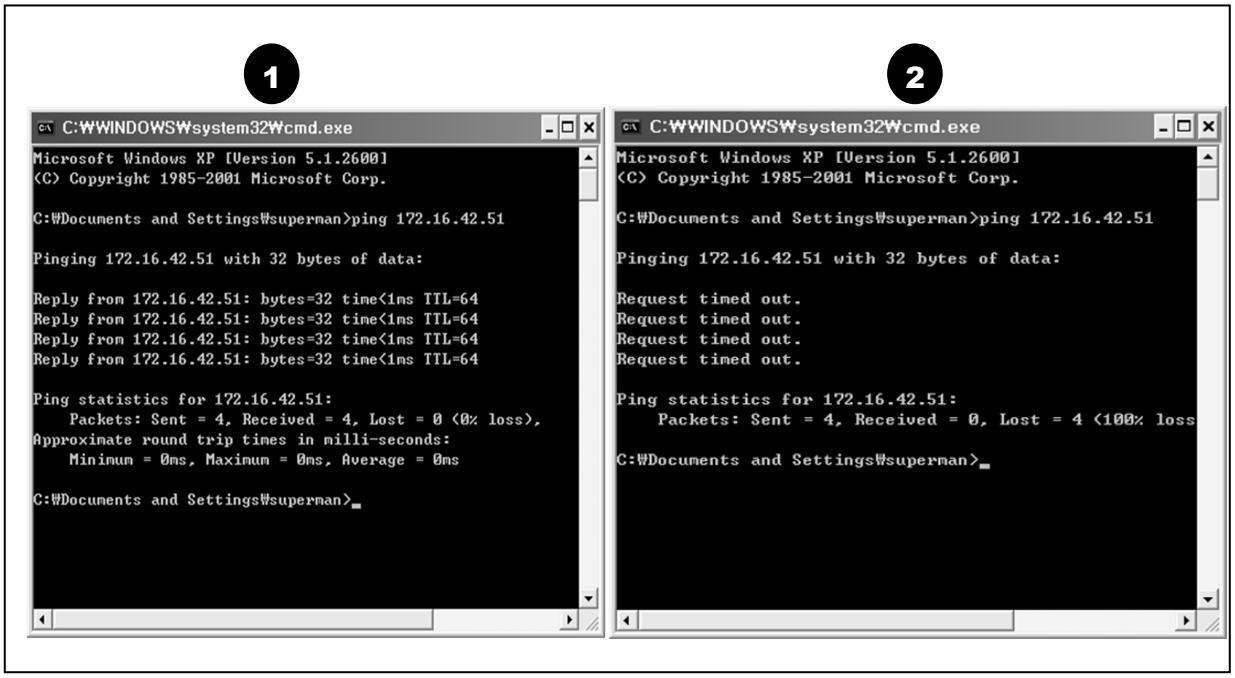
5. Trouble Shooting

5.1. No Video on Viewer

⇨ Network Connection Status Check(Ping Test)

You can check the Network Connection Status by doing Ping Test.

- Start > Run > cmd > Ping IP Address (EX>ping 172.16.42.51).
- If you get the response such as “Reply from~”, Network Configuration & Connection Status is good. Please re-try to access or refer to other trouble shooting category. (①).
- If you get the response such as “Request timed out”, Network Configuration & Connection Status is in problem. Please check the Network Cable and Configuration. (②)


1
C:₩WINDOWS₩system32₩cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:₩Documents and Settings₩superman>ping 172.16.42.51
Pinging 172.16.42.51 with 32 bytes of data:
Reply from 172.16.42.51: bytes=32 time<1ms TTL=64
Reply from 172.16.42.51: bytes=32 time<1ms TTL=64
Reply from 172.16.42.51: bytes=32 time<1ms TTL=64
Reply from 172.16.42.51: bytes=32 time<1ms TTL=64
Ping statistics for 172.16.42.51:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:₩Documents and Settings₩superman>
2
C:₩WINDOWS₩system32₩cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:₩Documents and Settings₩superman>ping 172.16.42.51
Pinging 172.16.42.51 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 172.16.42.51:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss
C:₩Documents and Settings₩superman>

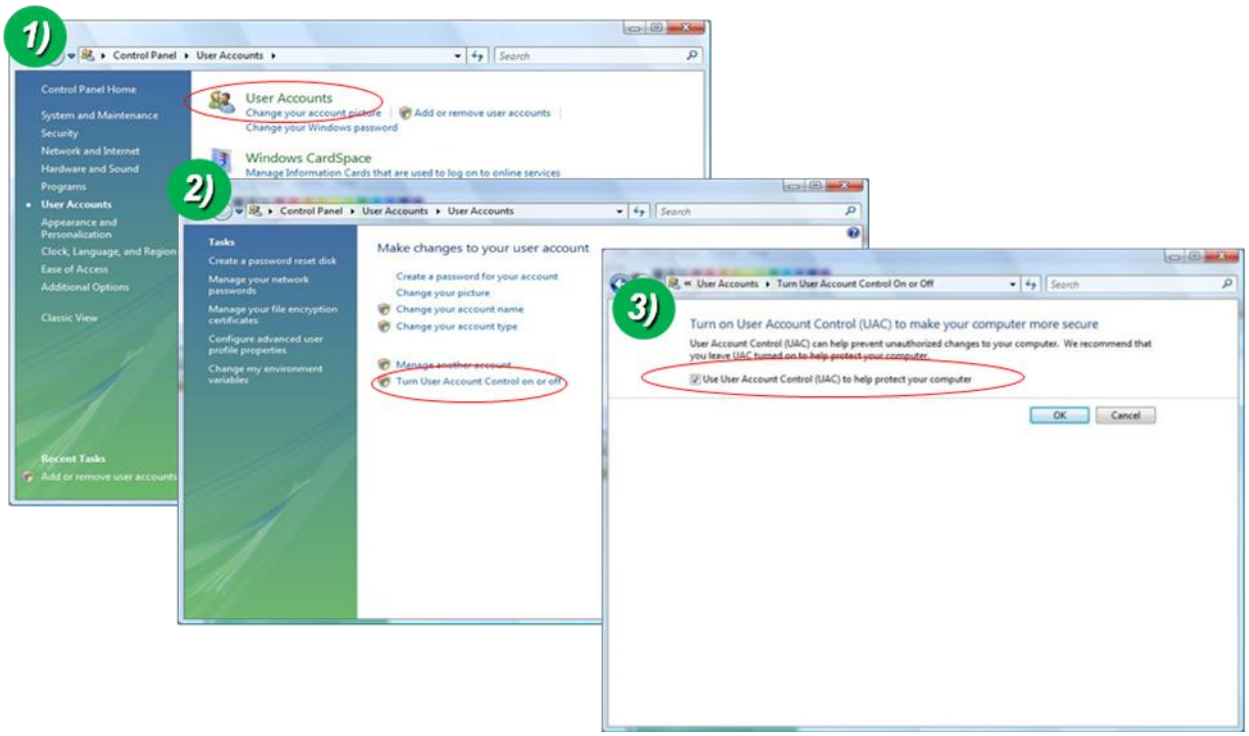
5.2. Windows vista and Windows 7 User for Record & Capture Problem

For the use of Video Recording & Capture function on NVR-Pro and Web Viewer, Windows Vista and Windows 7 Users are required to configure “User Account Configuration” and “Program Execution Entitlement Configuration”. If not configure, Recorded File won’t be generated or Captured Image on Web Viewer won’t be saved.

Windows Vista Configuration

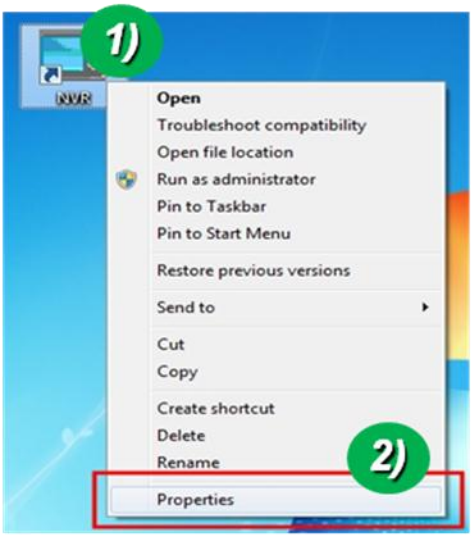
1. User Account Configuration

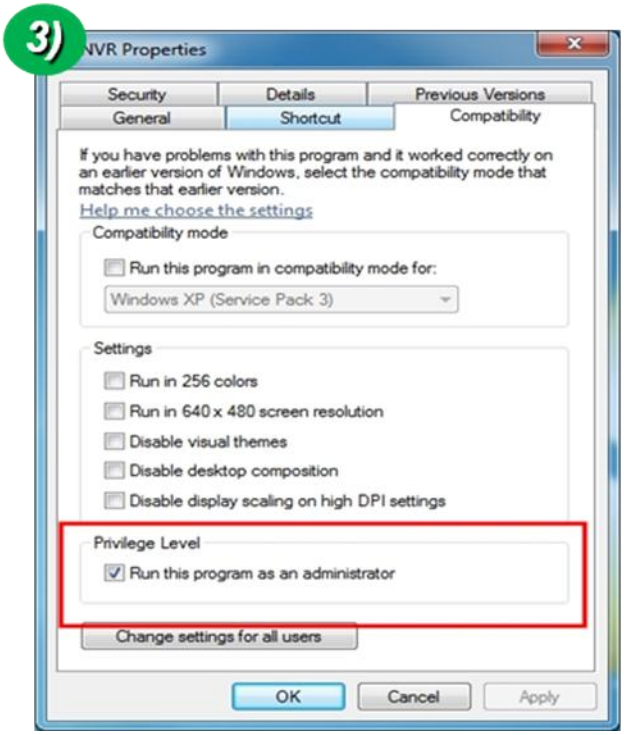
1) Select “User Account” on Control Panel
2) Select “Turn User Account Control on or off”
3) Uncheck “Use User Account Control to help protect your computer”.


1)
Control Panel
User Accounts
Control Panel Home
System and Maintenance
Security
Network and Internet
Hardware and Sound
Programs
User Accounts
Appearance and Personalization
Clock, Language, and Region
Ease of Access
Additional Options
Classic View
User Accounts
Change your account picture
Add or remove user accounts
Change your Windows password
Windows CardSpace
Manage Information Cards that are used to log on to online services
2)
Control Panel
User Accounts
User Accounts
Tasks
Create a password reset disk
Manage your network passwords
Manage your file encryption certificates
Configure advanced user profile properties
Change my environment variables
Make changes to your user account
Create a password for your account
Change your picture
Change your account name
Change your account type
Manage another account
Turn User Account Control on or off
3)
User Accounts
Turn User Account Control On or Off
Turn on User Account Control (UAC) to make your computer more secure
User Account Control (UAC) can help prevent unauthorized changes to your computer. We recommend that you leave UAC turned on to help protect your computer.
Use User Account Control (UAC) to help protect your computer
OK
Cancel
Recent Tasks
Add or remove user accounts

2. Program Execution Entitlement Configuration

1) Select “NVXR-64” icon on the wallpaper.
2) Select “Properties” menu popped up by clicking right button on Mouse.
3) Select Check Box of “Run this program as an administrator” from the compatibility Tap.





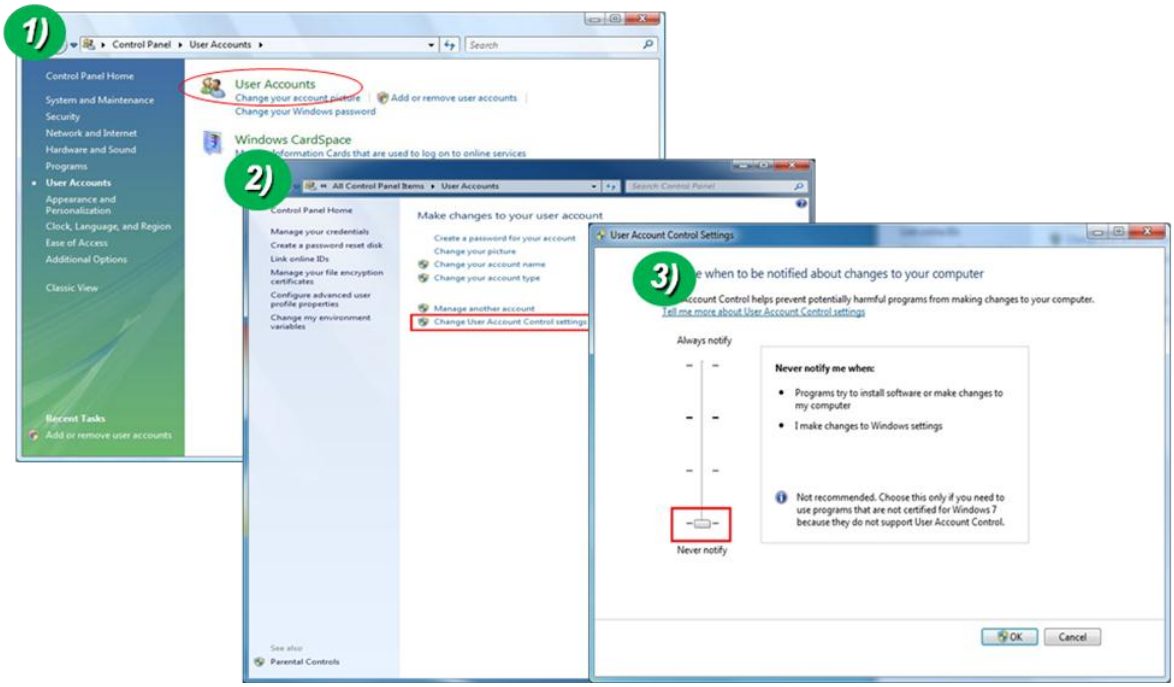
Windows 7 Configuration

1. User Account Configuration

1) Select “User Account” on Control Panel

2) Select “Change User Account Control Setting”

3) Set the Alarm Level at the lowest “Never Notify”

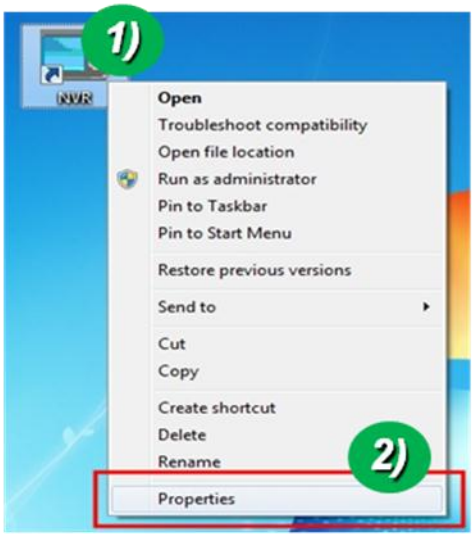


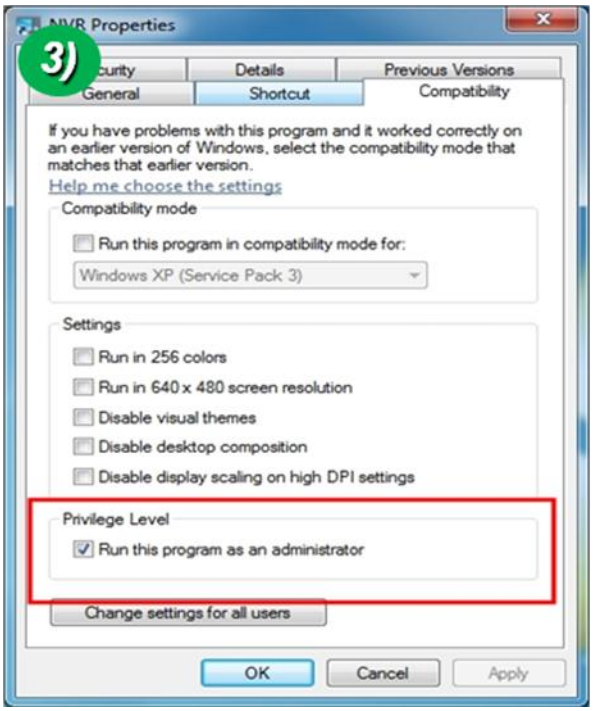
2. Program Execution Entitlement Configuration

1) Select “NVXR-64” icon on the wallpaper

2) Select “Properties” menu popped up by clicking right button on Mouse

3) Select Check Box of “Run this program as an administrator” from the compatibility Tap.




3)
Details
Previous Versions
General
Shortcut
Compatibility
If you have problems with this program and it worked correctly on an earlier version of Windows, select the compatibility mode that matches that earlier version.
Help me choose the settings
Compatibility mode
Run this program in compatibility mode for:
Windows XP (Service Pack 3)
Settings
Run in 256 colors
Run in 640 x 480 screen resolution
Disable visual themes
Disable desktop composition
Disable display scaling on high DPI settings
Privilege Level
Run this program as an administrator
Change settings for all users
OK
Cancel
Apply

5.3 Technical Inquiry

Please contact to your supplier if you still have problem even taking all trouble shootings.

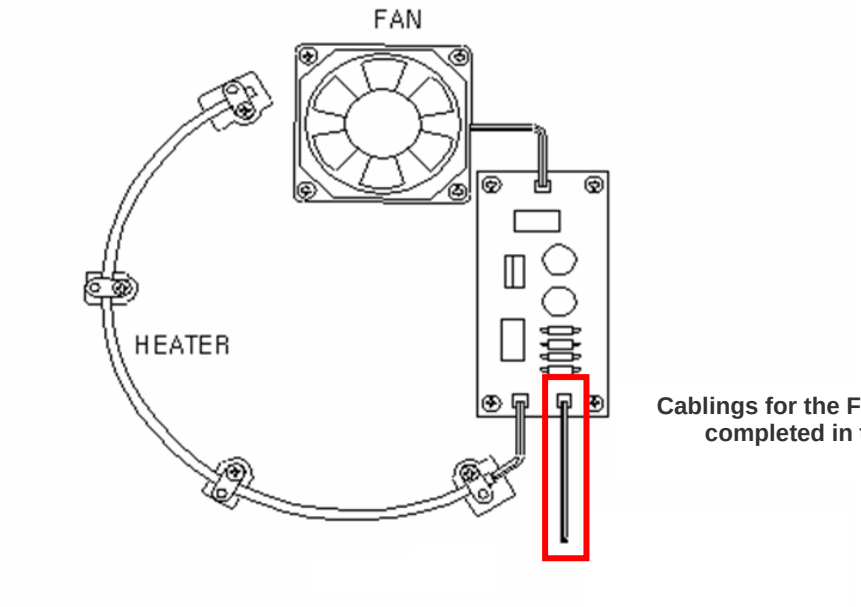
For the quickest solution, please prepare all information below;

1. **Product Model Name**
2. **Serial No. & Mac Address**
3. **Date of Purchase**
4. **Summary of Problem**
5. **Error Message**

6. Appendix

6.1. FAN & Heater

FAN & Heater is inside Housing of Outdoor Speed Dome and will operate with AC24V.



Cablings for the Fan & Heater are completed in the Factory

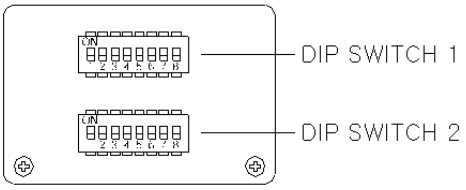
. Detailed Specification

Category	Description
Heater Control Temp.	On: below 10℃, Off: over 15℃
FAN Control Temp.	On: over 45℃, Off: below 35℃
Operational Temp.	-40℃ ~ +60℃
Operational Humidity	Below 90%
Water-Proof	IP 66
Materials	Poly Carbonate (Bubble), Aluminum (Body)
Appearance	253Ø(diameter) x 307mm(Height) x 190Ø(Bubble)
Power Consumption	18W Max (With Camera: 43W Max)
Power	AC 24V 1A, 60 / 50Hz (AC24V 2A with camera)
Weight	3.4kg (including Camera : 5.3kg)

6.2. DIP Switch Setting

A. ID Configuration

* Factory Default: Camera ID = 1



(1-ON, 0-OFF)

DIP SW	ID VALUE	DIP SW	ID VALUE	DIP SW	ID VALUE
10000000	1	00010100	40	11110010	79
01000000	2	10010100	41	00001010	80
11000000	3	01010100	42	10001010	81
00100000	4	11010100	43	01001010	82
10100000	5	00110100	44	11001010	83
01100000	6	10110100	45	00101010	84
11100000	7	01110100	46	10101010	85
00010000	8	11110100	47	01101010	86
10010000	9	00001100	48	11101010	87
01010000	10	10001100	49	00011010	88
11010000	11	01001100	50	10011010	89
00110000	12	11001100	51	01011010	90
10110000	13	00101100	52	11011010	91
01110000	14	10101100	53	00111010	92
11110000	15	01101100	54	10111010	93
00001000	16	11101100	55	01111010	94
10001000	17	00011100	56	11111010	95
01001000	18	10011100	57	00000110	96
11001000	19	01011100	58	10000110	97
00101000	20	11011100	59	01000110	98
10101000	21	00111100	60	11000110	99

01101000	22	10111100	61	00100110	100
11101000	23	01111100	62	10100110	101
00011000	24	11111100	63	01100110	102
10011000	25	00000010	64	11100110	103
01011000	26	10000010	65	00010110	104
11011000	27	01000010	66	10010110	105
00111000	28	11000010	67	01010110	106
10111000	29	00100010	68	11010110	107
01111000	30	10100010	69	00110110	108
11111000	31	01100010	70	10110110	109
00000100	32	11100010	71	01110110	110
10000100	33	00010010	72	11110110	111
01000100	34	10010010	73	00001110	112
11000100	35	01010010	74	10001110	113
00100100	36	11010010	75	01001110	114
10100100	37	00110010	76	11001110	115
01100100	38	10110010	77	00101110	116
11100100	39	01110010	78	10101110	117
01101110	118	00100101	164	01001011	210
11101110	119	10100101	165	11001011	211
00011110	120	01100101	166	00101011	212
10011110	121	11100101	167	10101011	213
01011110	122	00010101	168	01101011	214
11011110	123	10010101	169	11101011	215
00111110	124	01010101	170	00011011	216
10111110	125	11010101	171	10011011	217
01111110	126	00110101	172	01011011	218
11111110	127	10110101	173	11011011	219
00000001	128	01110101	174	00111011	220
10000001	129	11110101	175	10111011	221
01000001	130	00001101	176	01111011	222
11000001	131	10001101	177	11111011	223
00100001	132	01001101	178	00000111	224
10100001	133	11001101	179	10000111	225
01100001	134	00101101	180	01000111	226

11100001	135	10101101	181	11000111	227
00010001	136	01101101	182	00100111	228
10010001	137	11101101	183	10100111	229
01010001	138	00011101	184	01100111	230
11010001	139	10011101	185	11100111	231
00110001	140	01011101	186	00010111	232
10110001	141	11011101	187	10010111	233
01110001	142	00111101	188	01010111	234
11110001	143	10111101	189	11010111	235
00001001	144	01111101	190	00110111	236
10001001	145	11111101	191	10110111	237
01001001	146	00000011	192	01110111	238
11001001	147	10000011	193	11110111	239
00101001	148	01000011	194	00001111	240
10101001	149	11000011	195	10001111	241
01101001	150	00100011	196	01001111	242
11101001	151	10100011	197	11001111	243
00011001	152	01100011	198	00101111	244
10011001	153	11100011	199	10101111	245
01011001	154	00010011	200	01101111	246
11011001	155	10010011	201	11101111	247
00111001	156	01010011	202	00011111	248
10111001	157	11010011	203	10011111	249
01111001	158	00110011	204	01011111	250
11111001	159	10110011	205	11011111	251
00000101	160	01110011	206	00111111	252
10000101	161	11110011	207	10111111	253
01000101	162	00001011	208	01111111	254
11000101	163	10001011	209	11111111	255

B. PROTOCOL

Set by 3rd, 4th Switch of DIP Switch 2.

Factory Default: Pelco-D & Pelco-P (Auto)

DIP SW2 - 3rd 4th	
OFF / OFF	Pelco-D or Pelco-P
ON / ON	Maxpro protocol

C. BAUD RATE SETTING

Set by 7th, 8th Switch of DIP Switch 2.

Changeable Speed: 4800bps, 9600bps

Factory Default: 2400bps.

DIP SW2-7th	DIP SW2-8th	BAUD RATE
OFF	OFF	Not Used
OFF	ON	2400bps
ON	OFF	4800bps
ON	ON	9600bps

* 5th, 6th Switch of DIP Switch 2 is not used.